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- (71) Applicant (for all designated States except US): BEN-GURION UNIVERSITY OF THE NEGEV RESEARCH AND DEVELOPMENT AUTHORITY [IL/IL]; P.O.B. 653, 84105 BEER-SHEVA (IL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): JELINEK, RAZ [IL/IL]; 4 Brosh Street, 84965 OMER (IL).
- (74) Agents: PYERNIK RUTMAN et al.; P.O.B. 10012, 84106 BEER-SHEVA (IL).
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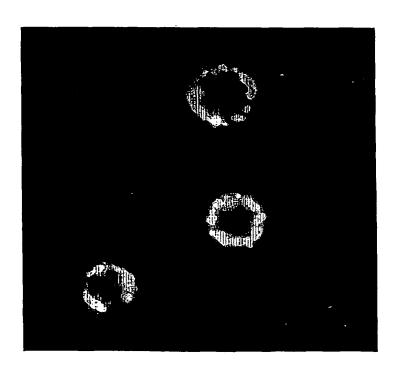
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(54) Title: CELLS CONTAINING A NANOPATCH SENSOR IN THEIR MEMBRANE-



(57) Abstract: The present invention provides isolated cells comprising nanopatch sensors integrated into the cell membrane thereof, wherein said sensors are provided in the form of perturbation-sensitive constructs, and wherein said perturbation-sensitive constructs respond to perturbations of the cell membrane by means of a detectable change in one or more physical or chemical properties associated with said construct.